Claims

Claims 1-7 (canceled)

8. (currently amended) A substantially pure or isolated <u>stabilized</u> oligodeoxynucleotide of <u>between 18 and 30at-least about 16</u> nucleotides in length, comprising a sequence represented by the following formula:

5' X₁X₂X₃ Pu₁ Py₂ CpG Pu₃ Py₄ X₄X₅X₆(W)_M (G)_N-3'

wherein the central CpG motif is unmethylated, Pu is a purine nucleotide, Py is a pyrimidine nucleotide, X and W are any nucleotide, M is any integer from 0 to 10, and N is any integer from 4 to 10

wherein $X_1X_2X_3$ Pu_1 Py_2 and Pu_3 Py_4 $X_4X_5X_6$ are self complementary.

Claims 9-11 (canceled)

12. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 8, comprising any one of

GGTGCATCGATGCAGGGGGG (SEQ ID NO: 1);

AAGGTCAACG TTGAAAAAAA (SEQ ID NO: 35);

GGTGCATCGATGCAGGGGGG (SEQ ID NO: 1);

GGTGCATCGATGCAGGGGGG (SEQ-ID-NO: 1);

GGTGCGTCGACGCAGGGGGG SEQ ID NO: 31);

GGTGCGTCGATGCAGGGGGG (SEQ ID NO: 7);

GGTGCACCGGTGCAGGGGGG (SEQ ID NO: 2); or,

GTCGACGTCGAC (SEQ ID NO: 54);

GGTGCATCGATGCAGGGGG (SEQ ID NO: 73)[;]

GGCGTCGACG GGG (SEQ ID NO: 74);

GGTGCATCGATGCGAGAGA (SEQ ID NO: 87);

TCGGATGTTCTC (SEQ ID NO: 113), or

GGTCCATCGATCCAGGGGGG (SEQ ID NO: 138).

- 13. (currently amended) The <u>stabilized</u> oligodeoxynucleotide <u>of claim</u> 8, wherein the oligodeoxynucleotide is modified to prevent degradation.
- 14. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 8, wherein the oligodeoxynucleotide has a phosphate backbone modification.
- 15. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 14, wherein the phosphate backbone modification is a phosphorothioate backbone modification.

16.-18. canceled

- 19. (currently amended) An oligodeoxynucleotide delivery complex comprising the <u>stabilized</u> oligodeoxynucleotide of claim 8 and a targeting moiety.
- 20. (currently amended) The <u>stabilized</u> oligodeoxynucleotide delivery complex of claim 19, wherein the targeting moiety is selected from the group consisting of a cholesterol, a virosome, a lipid, and a target cell specific binding agent.
- 21. (currently amended) The oligodeoxynucleotide delivery complex of claim 19, wherein the <u>stabilized</u> oligodeoxynucleotide and the targeting moiety are covalently linked.
- 22. (currently amended) A pharmacological composition comprising the <u>stabilized</u> oligodeoxynucleotide of claim 8 and a pharmacologically acceptable carrier.

Claims 23-59 (canceled)

- 60. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 8, wherein N is at least 5 about 6.
- 61. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 8, wherein Pu₁ Py₂ CpG Pu₃ Py₄ comprise phosphodiester bases.

- 62. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 61, wherein Pu₁ Py₂ CpG Pu₃ Py₄ are phosphodiester bases.
- 63. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 61, wherein $X_1X_2X_3$ and $X_4X_5X_6(W)_M$ (G)_N comprise phosphodiester bases.
- 64. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 61, wherein $X_1X_2X_3$ comprises one or more phosphothioate bases.
- 65. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 61, wherein $X_4X_5X_6(W)_M$ (G)_N comprises one or more phosphothioate bases.
- 66. (currently amended) The <u>stabilized</u> oligodeoxynucleotide of claim 8, wherein the oligodeoxynucleotide comprises the sequence
 - 5'-[X₁X₂]TGCATCGATGCAGGGGGG-3' (SEQ ID NO:12);
 - 5'- [X₁X₂]TGCACCGGTGCAGGGGGG-3' (SEQ ID NO:13);
 - 5'- [X₁X₂]TGCGTCGACGCAGGGGGG-3'; (SEQ ID NO:<u>14</u>)15; or,
 - 5'-X₁X₂TGCGTCGATGCAGGGGGG-3'; (SEQ ID NO:16);
 - 5'- [X₁X₂]TGCGCCGGCGCAGGGGGG-3;'(SEQ ID NO:17)[;].
 - 5'-X₁X₂TGCGCCGATGCAGGGGGG-3'(SEQ ID NO:18);
 - 5'-X₁X₂TGCATCGACGCAGGGGGG-3'(SEQ ID NO:19); or.
 - 5'-X₁X₂TGCGTCGGTGCAGGGGGG-3'(SEQ ID NO:20),
 - wherein X₁ is a G or not base and X₂ is a G or no base.
- 67. (new) The <u>stabilized</u> oligodeoxynucleotide of claim 66, further comprising at least one additional G in the 5' far flanking region.

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